

36-00764-5

**DRAFT**  
**Subject to Governing  
Board Approval**

LAST DATE FOR GOVERNING BOARD ACTION:  
FEBRUARY 10, 2000

**SURFACE WATER MANAGEMENT STAFF REVIEW SUMMARY**

**I. ADMINISTRATIVE**

APPLICATION NUMBER: 990122-13

PERMIT NUMBER: 36-00764-S

PROJECT NAME: BONITA FARMS I AND II

LOCATION: LEE COUNTY, S17,20/T47S/R26E

APPLICANT'S NAME: SAM HUBSCHMAN

OWNER'S NAME AND ADDRESS: SAM HUBSCHMAN  
7200 DAVIS BLVD.  
NAPLES, FL 34102

ENGINEER: BUTLER ENGINEERING

**II. PROJECT DESCRIPTION**

PROJECT AREA: 1279.00 acres DRAINAGE AREA: 985.00 acres

DISTRICT DRAINAGE BASIN: IMPERIAL RIVER WATERSHED

RECEIVING BODY: ONSITE PRESERVE

CLASSIFICATION: CLASS III

SPECIAL DRAINAGE DISTRICT: NOT APPLICABLE

**PURPOSE:**

This application is a request for Modification to authorize Construction and Operation of a surface water management system serving 985 acres of fill dirt excavation lakes, existing farming activities, and preserve areas.

**BACKGROUND:**

The site is located in south Lee County, east of I-75 between Corkscrew Road and Terry Street. The project was granted Construction and Operation approval

in April, 1982 for fill dirt excavation, farming activities, and preservation areas. No dewatering was proposed.

Several permit modifications were subsequently approved. A permit modification approved in 1991 authorized an increase in the excavation area. A permit modification approved in 1998 included relocation of perimeter berms, an increase in the area to be excavated, and a corresponding decrease in the farm area.

#### EXISTING FACILITIES:

The surface water management system consists of excavated lakes, areas available for farming activities, and preserved areas. Stormwater runoff is conveyed via surface flows to the excavated lakes. The lakes provide the required water quality treatment and attenuation for the developed site. A control structure discharges runoff from the lakes to the east into the Kehl Canal via an onsite preserve. Discharges from the site are limited to 40 cfs and are based on predevelopment discharge rates.

#### PROPOSED FACILITIES:

The applicant proposes to increase the area to be excavated for fill dirt from 336 acres to 550.43 acres. This results in a corresponding decrease in the acreage previously approved for vegetable farming activities.

Excavation Area 1 (Lake 1) will be enlarged from 239.3 acres to 424.78 acres. Excavation Area 2 (Lake 2) will be enlarged from 96.7 acres to 125.65 acres. The enlargement of Excavation Area 2 involves combining what were originally Lakes 2 and 3 into the proposed Lake 2. There are no changes proposed to the existing control structure(s). The new excavation will result in increased onsite storage, lower peak stages, and reduced offsite discharge rates.

#### BASIN INFORMATION:

Basin	Area Acres	WSWT Elev (ft, NGVD)	Normal/Dry Ctrl Elev (ft, NGVD)	Method of Determination
DEVELOPED SITE	985.00	14.50	14.5/14.5	WETLAND INDICATOR ELEVATION

### Discharge Culverts:

Basin	Str. #	Description	
DEVELOPED SITE	1	50' long, 1.5' dia.	RCP
DEVELOPED SITE	1	50' long, 1.5' dia.	RCP
DEVELOPED SITE	1	50' long, 1.5' dia.	RCP
DEVELOPED SITE	1	50' long, 1.5' dia.	RCP
DEVELOPED SITE	1	50' long, 1.5' dia.	CMP

### Receiving Body:

Basin	Str. #	Receiving Body
DEVELOPED SITE	1	ONSITE PRESERVE

### III. PROJECT EVALUATION

#### Discharge Rate:

As shown in the table below, the proposed project discharge is within the allowable limit for the area.

Discharge Storm Frequency: 25YEAR-3DAY    Design Rainfall: 11.30

Basin	Allow Disch (cfs)	Method of Determination	Design Disch (cfs)	Design Stage (ft, NGVD)
DEVELOPED SITE	61.5	PRE VS. POST	11.13	15.73

#### WATER QUALITY:

The required water quality volume is provided within the excavated lakes.

Basin	Treatment Method	Vol Req'd. (ac-ft)	Vol Prov'd (ac-ft)
DEVELOPED SITE	550.43 acres LAKE	82.00	82.00

### IV. ENVIRONMENTAL ASSESSMENT

## **PROJECT SITE DESCRIPTION:**

The proposed project site is the existing Bonita Farms mining and agriculture operations comprising 985 acres within Sections 17 and 20, Township 47S, Range 26E. Two excavated lakes (336 acres) are located within the parcel as well as 28 wetlands totalling 77.66 acres. These areas are shown on Exhibit 2 and presented in tabular form on Exhibits 3A & 3B. The wetland/upland mitigation/preservation areas located east of the existing berm are not included in the proposed modification and are therefore omitted from Exhibits 3A & 3B and the wetland inventory table.

The 28 wetlands located within the project area consist of nineteen mixed forested wetland systems indicated by number and nine surrounding freshwater marsh mitigation areas enumerated by letter. These two types of habitat account for 43.09 acres and 34.57 acres, respectively. Uplands at the site are largely disturbed as a result of the historical mining and farming activities. Some pine flatwoods remain present in a few areas.

## **ENDANGERED, THREATENED & SPECIES OF SPECIAL CONCERN SUMMARY:**

Although no listed wildlife were observed within the development area, the preserve area located east of the existing berm is contiguous with public property being managed as part of the Corkscrew Regional Ecosystem Watershed (CREW) Flint Pen Strand lands. The CREW property is known to support a variety of listed wildlife including wading birds, black bear and the Florida panther. This modification maintains the existing contiguous preserve; therefore, the potential impact to listed wildlife is considered minimal. This permit does not relieve the applicant from complying with all applicable rules and any other agencies' requirements if in the future, endangered/threatened species or species of special concern are discovered on the site.

## **WETLAND PRESERVATION AND IMPACT SUMMARY:**

This modification does not propose any impacts to existing preserve/mitigation areas within the project area. As shown in Cross Section A on Exhibit 2, a 25 feet wide undisturbed upland buffer around the wetlands located within the project area is included within the preserve boundaries. Cross section B maintains the existing berm as a structural buffer to the eastern preserve area. The proposed control elevation of 14.5' NGVD is consistent with the existing permit. Dewatering is not proposed as part of the mining operations and no significant adverse environmental impacts are anticipated to result from the proposed activities.

## **MITIGATION MONITORING:**

Since no impacts are proposed to the existing preserved wetland/upland preserve/mitigation areas, no additional mitigation has been required. The

previously approved mitigation, monitoring, and maintenance plans as specified for this permit in Application No. 971010-2 remain in effect.

# **WETLAND INVENTORY:**

MOD PHASE-BONITA FARMS I & II

ONSITE

Pre-Development		Post-Development				
	TOTAL EXISTING	PRESERVED	UNDISTURBED	IMPACTED	ENHANCED	RESTORED/ CREATED
FORESTED	43.09	43.09	0	0	0	0
HERBACEOUS/SHRUB	34.57	34.57	0	0	0	0
OSW	336	0	336	0	0	0
TOTALS	413.66	77.66	336	0	0	0

UPLAND COMP: PRESERVED: N/A ENHANCED: N/A

# **SYSTEM OPERATION:**

Samuel And Connie Hubschman, Trustee

# **PROPOSED LAND USE(S):**

# **WATER USE PERMIT STATUS:**

Water Use Permit No. 36-00315-W was previously issued for irrigation of 720 acres of small vegetables. The permit expires 12/15/2001.

# **POTABLE WATER SUPPLIER:**

Not Applicable

# **WASTE WATER SYSTEM/SUPPLIER:**

Not Applicable

**DRI STATUS:**

This project is not a DRI.

**SAVE OUR RIVERS:**

The project is located immediately west of the Corkscrew Regional Ecosystem Watershed (CREW) Flint Pen Strand lands. CREW is part of the Save Our Rivers program.

**SWIM BASIN:**

The project is not within nor does it discharge directly to a designated SWIM basin.

**RIGHT-OF-WAY PERMIT STATUS:**

A Right-of-Way Permit is not required for this project.

**ENFORCEMENT ACTIVITY:**

There has been no enforcement activity associated with this application.

**THIRD PARTY INTEREST:**

No third party has contacted the District with concerns about this application.

**WELL FIELD ZONE OF INFLUENCE:**

The project is not located within the zone of influence of a wellfield.

V. APPLICABLE LAND AREA

PROJECT

	<u>TOTAL PROJECT</u>	<u>PREVIOUSLY PERMITTED</u>	<u>THIS PHASE</u>	
TOTAL ACRES	1279.00	1279.00	985.00	acres
WTRM ACREAGE	550.43	336.00	550.43	acres
PRESERVED	369.80	369.80	77.66	acres

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Board Approval**

VI. STAFF RECOMMENDATION

The Staff recommends that the following be issued:

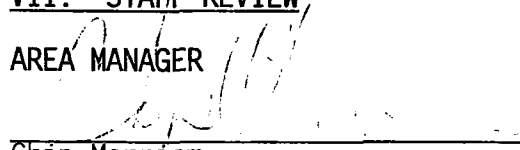
MODIFICATION TO AUTHORIZE CONSTRUCTION AND OPERATION OF A SURFACE WATER MANAGEMENT SYSTEM SERVING 985 ACRES OF FILL DIRT EXCAVATION, EXISTING FARMING ACTIVITIES, AND PRESERVATION AREAS.

Based on the information provided, District rules have been adhered to.

Staff recommendation is for approval subject to the attached  
Standard Limiting and Special Conditions.

VII. STAFF REVIEW


AREA MANAGER

  
Chip Merriam


DATE: 1-6-00

NATURAL RESOURCE MANAGEMENT DIVISION APPROVAL

ENVIRONMENTAL EVALUATION

  
Amy J. Ohlberg

SUPERVISOR

  
Karen M. Johnson

DIVISION DIRECTOR:

  
Robert G. Robbins

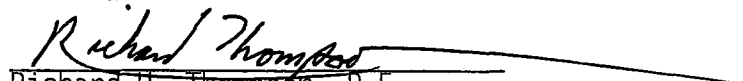
DATE: 1-12-00

SURFACE WATER MANAGEMENT DIVISION APPROVAL

ENGINEERING EVALUATION

  
Craig A. Medlock

SUPERVISOR

  
Richard H. Thompson, P.E.

DIVISION DIRECTOR:

  
Anthony M. Waterhouse, P.E.

DATE: 1/18/00



## LIMITING CONDITIONS

1. THE PERMITTEE SHALL IMPLEMENT THE WORK AUTHORIZED IN A MANNER SO AS TO MINIMIZE ANY ADVERSE IMPACT OF THE WORKS ON FISH, WILDLIFE, NATURAL ENVIRONMENTAL VALUES, AND WATER QUALITY. THE PERMITTEE SHALL INSTITUTE NECESSARY MEASURES DURING THE CONSTRUCTION PERIOD, INCLUDING FULL COMPACTION OF ANY FILL MATERIAL PLACED AROUND NEWLY INSTALLED STRUCTURES, TO REDUCE EROSION, TURBIDITY, NUTRIENT LOADING AND SEDIMENTATION IN THE RECEIVING WATERS.
2. WATER QUALITY DATA FOR THE WATER DISCHARGED FROM THE PERMITTEE'S PROPERTY OR INTO SURFACE WATERS OF THE STATE WILL BE SUBMITTED TO THE DISTRICT AS REQUIRED BY SECTION 5.9, "BASIS OF REVIEW FOR SURFACE WATER MANAGEMENT PERMIT APPLICATIONS WITHIN SOUTH FLORIDA WATER MANAGEMENT DISTRICT - MARCH, 1994." PARAMETERS TO BE MONITORED MAY INCLUDE THOSE LISTED IN CHAPTER 62-302, F.A.C. IF WATER QUALITY DATA IS REQUIRED, THE PERMITTEE SHALL PROVIDE DATA ON VOLUMES OF WATER DISCHARGED, INCLUDING TOTAL VOLUME DISCHARGED DURING THE DAYS OF SAMPLING AND TOTAL MONTHLY DISCHARGES FROM THE PROPERTY OR INTO SURFACE WATERS OF THE STATE.
3. THIS PERMIT SHALL NOT RELIEVE THE PERMITTEE OF ANY OBLIGATION TO OBTAIN NECESSARY FEDERAL, STATE, LOCAL OR SPECIAL DISTRICT APPROVALS.
4. THE OPERATION PHASE OF THIS PERMIT WILL NOT BECOME EFFECTIVE UNTIL THE DISTRICT'S ACCEPTANCE OF CERTIFICATION OF THE COMPLETED SURFACE WATER WATER MANAGEMENT SYSTEM. THE PERMITTEE SHALL REQUEST TRANSFER OF THE PERMIT TO THE RESPONSIBLE OPERATIONAL ENTITY ACCEPTED BY THE DISTRICT, IF DIFFERENT FROM THE PERMITTEE. THE TRANSFER REQUEST CAN BE SUBMITTED CONCURRENTLY WITH THE CONSTRUCTION COMPLETION CERTIFICATION.
5. ALL ROAD ELEVATIONS SHALL BE SET IN ACCORDANCE WITH THE CRITERIA SET FORTH IN SECTION 6.5, "BASIS OF REVIEW FOR SURFACE WATER MANAGEMENT PERMIT APPLICATIONS WITHIN SOUTH FLORIDA WATER MANAGEMENT DISTRICT - MARCH, 1994."
6. ALL BUILDING FLOOR ELEVATIONS SHALL BE SET IN ACCORDANCE WITH THE CRITERIA SET FORTH IN SECTION 6.4, "BASIS OF REVIEW FOR SURFACE WATER MANAGEMENT PERMIT APPLICATIONS WITHIN SOUTH FLORIDA WATER MANAGEMENT DISTRICT - MARCH, 1994."
7. OFF-SITE DISCHARGES DURING CONSTRUCTION AND DEVELOPMENT WILL BE MADE ONLY THROUGH THE FACILITIES AUTHORIZED BY THIS PERMIT.
8. A PERMIT TRANSFER TO THE OPERATION PHASE SHALL NOT OCCUR UNTIL A RESPONSIBLE ENTITY MEETING THE REQUIREMENT IN SECTION 9.0, "BASIS OF REVIEW FOR SURFACE WATER MANAGEMENT PERMIT APPLICATIONS WITHIN SOUTH FLORIDA WATER MANAGEMENT DISTRICT - MARCH, 1994," HAS BEEN ESTABLISHED TO OPERATE AND MAINTAIN THE SYSTEM. THE ENTITY MUST BE PROVIDED WITH SUFFICIENT OWNERSHIP OR LEGAL INTEREST SO THAT IT HAS CONTROL OVER ALL WATER MANAGEMENT FACILITIES AUTHORIZED HEREIN.
9. THE PERMIT DOES NOT CONVEY TO THE PERMITTEE ANY PROPERTY RIGHT NOR ANY

RIGHTS OR PRIVILEGES OTHER THAN THOSE SPECIFIED IN THE PERMIT AND CHAPTER 40E-4, FAC.

10. THE PERMITTEE SHALL HOLD AND SAVE THE DISTRICT HARMLESS FROM ANY AND ALL DAMAGES, CLAIMS, OR LIABILITIES WHICH MAY ARISE BY REASON OF THE CONSTRUCTION, OPERATION, MAINTENANCE OR USE OF ANY FACILITY AUTHORIZED BY THE PERMIT.
11. THIS PERMIT IS ISSUED BASED ON THE APPLICANT'S SUBMITTED INFORMATION WHICH REASONABLY DEMONSTRATES THAT ADVERSE WATER RESOURCE RELATED IMPACTS WILL NOT BE CAUSED BY THE COMPLETED PERMIT ACTIVITY. SHOULD ANY ADVERSE IMPACTS CAUSED BY THE COMPLETED SURFACE WATER MANAGEMENT SYSTEM OCCUR, THE DISTRICT WILL REQUIRE THE PERMITTEE TO PROVIDE APPROPRIATE MITIGATION TO THE DISTRICT OR OTHER IMPACTED PARTY. THE DISTRICT WILL REQUIRE THE PERMITTEE TO MODIFY THE SURFACE WATER MANAGEMENT SYSTEM, IF NECESSARY, TO ELIMINATE THE CAUSE OF THE ADVERSE IMPACTS.
12. WITHIN 30 DAYS OF ISSUANCE OF THIS PERMIT, THE PERMITTEE OR AUTHORIZED AGENT SHALL NOTIFY THE DISTRICT (VIA THE SUPPLIED CONSTRUCTION COMMENCEMENT NOTICE OR EQUIVALENT) OF THE ACTUAL OR ANTICIPATED CONSTRUCTION START DATE AND THE EXPECTED COMPLETION DATE.
13. WHEN THE DURATION OF CONSTRUCTION EXCEEDS ONE YEAR, THE PERMITTEE OR AUTHORIZED AGENT SHALL SUBMIT CONSTRUCTION STATUS REPORTS ON AN ANNUAL BASIS (VIA THE SUPPLIED ANNUAL STATUS REPORT OR EQUIVALENT) BEGINNING ONE YEAR AFTER THE INITIAL COMMENCEMENT OF CONSTRUCTION.
14. WITHIN 30 DAYS AFTER COMPLETION OF CONSTRUCTION OF THE SURFACE WATER MANAGEMENT SYSTEM, THE PERMITTEE OR AUTHORIZED AGENT SHALL FILE A WRITTEN STATEMENT OF COMPLETION AND CERTIFICATION BY A FLORIDA REGISTERED PROFESSIONAL ENGINEER. THESE STATEMENTS MUST SPECIFY THE ACTUAL DATE OF CONSTRUCTION COMPLETION AND MUST CERTIFY THAT ALL FACILITIES HAVE BEEN CONSTRUCTED IN SUBSTANTIAL CONFORMANCE WITH THE PLANS AND SPECIFICATIONS APPROVED BY THE DISTRICT (VIA THE SUPPLIED CONSTRUCTION COMPLETION/CONSTRUCTION CERTIFICATION OR EQUIVALENT). THE CONSTRUCTION COMPLETION CERTIFICATION MUST INCLUDE, AT A MINIMUM, EXISTING ELEVATIONS, LOCATIONS AND DIMENSIONS OF THE COMPONENTS OF THE WATER MANAGEMENT FACILITIES. ADDITIONALLY, IF DEVIATIONS FROM THE APPROVED DRAWING ARE DISCOVERED DURING THE CERTIFICATION PROCESS, THE CERTIFICATION MUST BE ACCOMPANIED BY A COPY OF THE APPROVED PERMIT DRAWINGS WITH DEVIATIONS NOTED.
15. WITHIN 30 DAYS OF ANY SALE, CONVEYANCE OR OTHER TRANSFER OF ANY OF THE LAND WHICH IS PROPOSED FOR DEVELOPMENT UNDER THE AUTHORIZATION OF THIS PERMIT, THE PERMITTEE SHALL NOTIFY THE DISTRICT OF SUCH TRANSFER IN WRITING VIA EITHER FORM 0483, REQUEST FOR PERMIT TRANSFER; OR FORM 0920, REQUEST FOR TRANSFER OF SURFACE WATER MANAGEMENT CONSTRUCTION PHASE TO OPERATION PHASE (TO BE COMPLETED AND SUBMITTED BY THE OPERATING ENTITY), IN ACCORDANCE WITH SECTIONS 40E-1.6105 AND 40E-4.351, F.A.C.
16. A PRORATED SHARE OF SURFACE WATER MANAGEMENT RETENTION/DETENTION AREAS,

SUFFICIENT TO PROVIDE THE REQUIRED FLOOD PROTECTION AND WATER QUALITY TREATMENT, MUST BE PROVIDED PRIOR TO OCCUPANCY OF ANY BUILDING OR RESIDENCE.

17. A STABLE, PERMANENT AND ACCESSIBLE ELEVATION REFERENCE SHALL BE ESTABLISHED ON OR WITHIN ONE HUNDRED (100) FEET OF ALL PERMITTED DISCHARGE STRUCTURES NO LATER THAN THE SUBMISSION OF THE CERTIFICATION REPORT. THE LOCATION OF THE ELEVATION REFERENCE MUST BE NOTED ON OR WITH THE CERTIFICATION REPORT.
18. IT IS THE RESPONSIBILITY OF THE PERMITTEE TO INSURE THAT ADVERSE OFF-SITE WATER RESOURCE RELATED IMPACTS DO NOT OCCUR DURING CONSTRUCTION.
19. THE PERMITTEE MUST OBTAIN A WATER USE PERMIT PRIOR TO CONSTRUCTION DEWATERING, UNLESS THE WORK QUALIFIES FOR A GENERAL PERMIT PURSUANT TO SUBSECTION 40E-20.302(4), F.A.C.

## SPECIAL CONDITIONS

1. DISCHARGE FACILITIES:

50 LF OF 1.5' DIA. CMP CULVERT.  
4-1.5' DIA. RCP CULVERTS EACH 50' LONG.

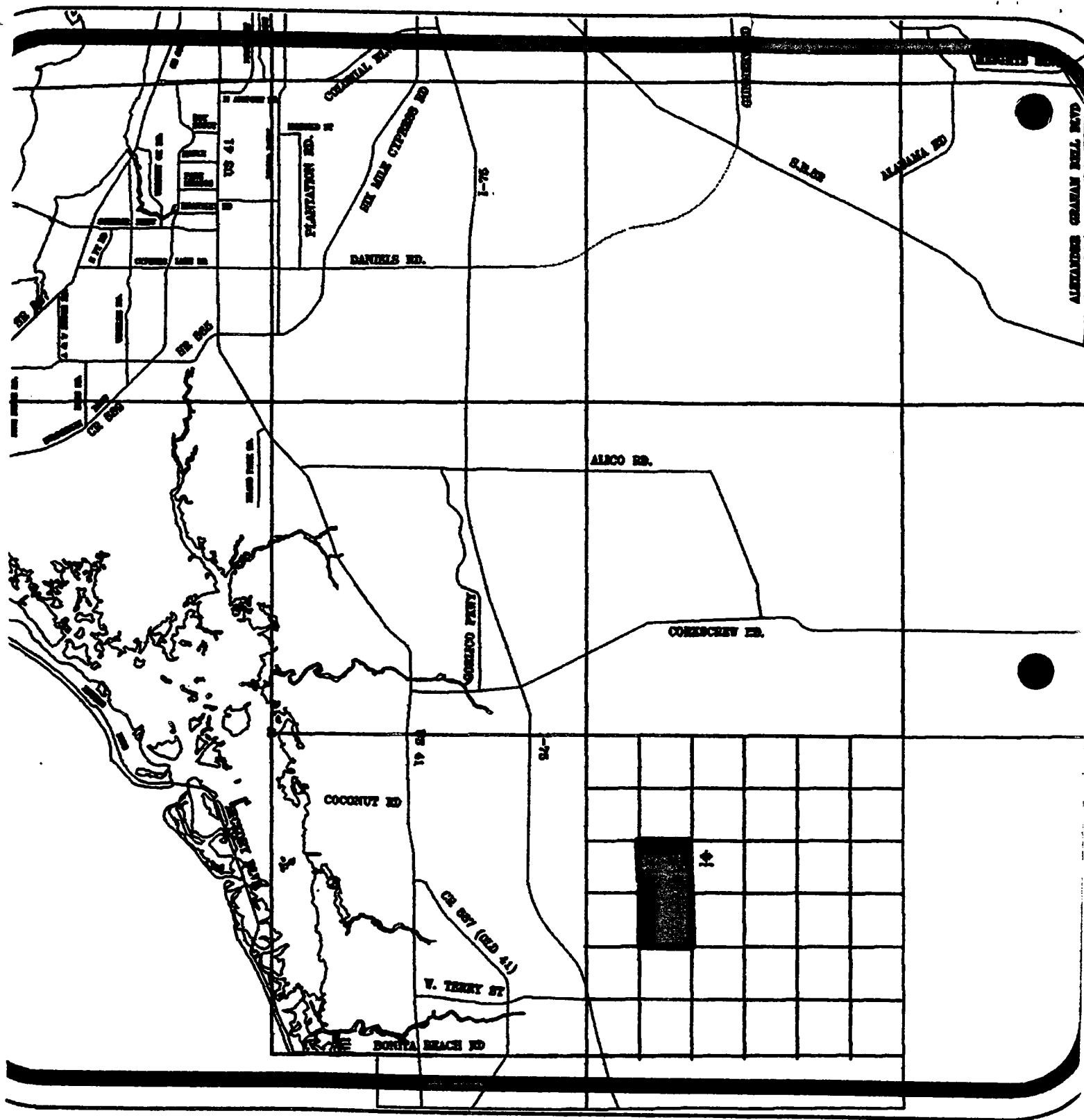
RECEIVING BODY : ONSITE PRESERVE

CONTROL ELEV : 14.5 FEET NGVD. /14.5 FEET NGVD DRY SEASON.

2. THE PERMITTEE SHALL BE RESPONSIBLE FOR THE CORRECTION OF ANY EROSION, SHOALING OR WATER QUALITY PROBLEMS THAT RESULT FROM THE CONSTRUCTION OR OPERATION OF THE SURFACE WATER MANAGEMENT SYSTEM.
3. MEASURES SHALL BE TAKEN DURING CONSTRUCTION TO INSURE THAT SEDIMENTATION AND/OR TURBIDITY PROBLEMS ARE NOT CREATED IN THE RECEIVING WATER.
4. THE DISTRICT RESERVES THE RIGHT TO REQUIRE THAT ADDITIONAL WATER QUALITY TREATMENT METHODS BE INCORPORATED INTO THE DRAINAGE SYSTEM IF SUCH MEASURES ARE SHOWN TO BE NECESSARY.
5. FACILITIES OTHER THAN THOSE STATED HEREIN SHALL NOT BE CONSTRUCTED WITHOUT AN APPROVED MODIFICATION OF THIS PERMIT.
6. ALL SPECIAL CONDITIONS PREVIOUSLY STIPULATED BY PERMIT NUMBER 36-00764-S REMAIN IN EFFECT UNLESS OTHERWISE REVISED AND SHALL APPLY TO THIS MODIFICATION.
7. OPERATION OF THE SURFACE WATER MANAGEMENT SYSTEM SHALL BE THE RESPONSIBILITY OF SAMUEL AND CONNIE HUBSCHMAN, TRUSTEE.
8. SILT SCREENS, HAY BALES OR OTHER SUCH SEDIMENT CONTROL MEASURES SHALL BE UTILIZED DURING CONSTRUCTION. THE SELECTED SEDIMENT CONTROL MEASURES SHALL BE INSTALLED LANDWARD OF THE UPLAND BUFFER ZONES AROUND ALL PROTECTED WETLANDS. ALL AREAS SHALL BE STABILIZED AND VEGETATED IMMEDIATELY AFTER CONSTRUCTION TO PREVENT EROSION INTO THE WETLANDS AND UPLAND BUFFER ZONES.
9. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, THE PERIMETER OF THE PROTECTED WETLANDS AND BUFFER ZONES SHALL BE FENCED TO PREVENT ENCROACHMENT INTO THE WETLANDS. THE PERMITTEE SHALL NOTIFY THE SFWMD'S ENVIRONMENTAL COMPLIANCE STAFF IN WRITING UPON COMPLETION OF FENCING AND SCHEDULE AN INSPECTION OF THIS WORK. THE PERMITTEE SHALL MODIFY THE FENCING IF SFWMD STAFF DETERMINES IT IS INSUFFICIENT OR IS NOT IN CONFORMANCE WITH THE INTENT OF THIS PERMIT. FENCING SHALL REMAIN IN PLACE UNTIL ALL ADJACENT CONSTRUCTION ACTIVITIES ARE COMPLETE.
10. THE SFWMD RESERVES THE RIGHT TO REQUIRE REMEDIAL MEASURES TO BE TAKEN BY THE PERMITTEE IF WETLAND AND/OR UPLAND MONITORING OR OTHER INFORMATION DEMONSTRATES THAT ADVERSE IMPACTS TO PROTECTED, CONSERVED, INCORPORATED OR MITIGATED WETLANDS OR UPLANDS HAVE OCCURRED DUE TO PROJECT RELATED

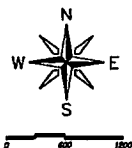
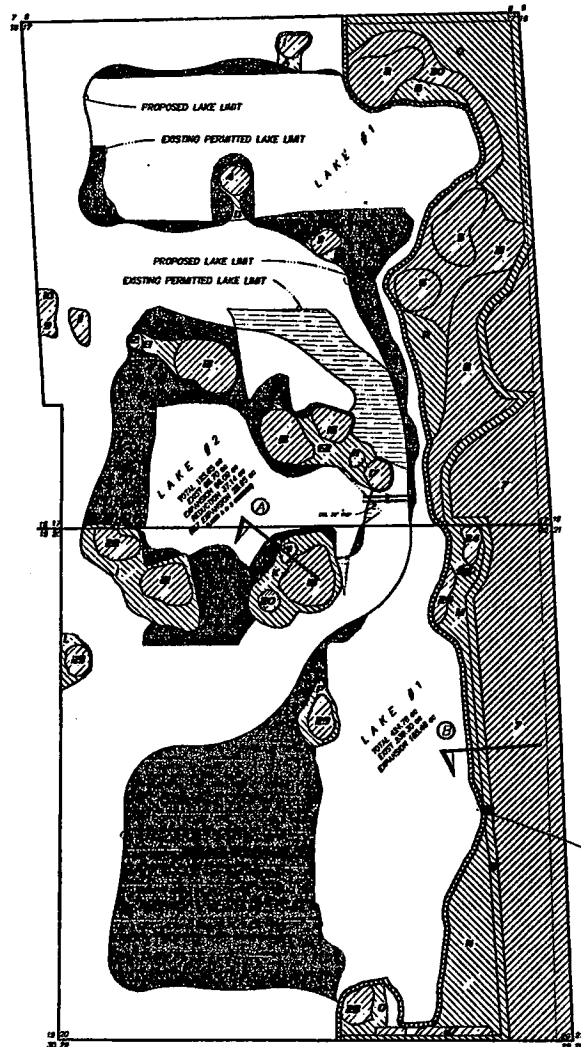
ACTIVITIES.

11. ANY FUTURE CHANGES IN LAND USE OR TREATMENT OF WETLANDS AND/OR UPLAND BUFFER/COMPENSATION AREAS MAY REQUIRE A SURFACE WATER MANAGEMENT PERMIT MODIFICATION AND ADDITIONAL ENVIRONMENTAL REVIEW BY DISTRICT STAFF. PRIOR TO THE PERMITTEE INSTITUTING ANY FUTURE CHANGES NOT AUTHORIZED BY THIS PERMIT, THE PERMITTEE SHALL NOTIFY THE SFWMD OF SUCH INTENTIONS FOR A DETERMINATION OF ANY NECESSARY PERMIT MODIFICATIONS.
12. PRIOR TO THE COMMENCEMENT OF ANY SITE ACTIVITY AUTHORIZED BY THIS PERMIT, A PRE-CONSTRUCTION MEETING SHALL BE HELD WITH SFWMD FIELD ENGINEERING AND ENVIRONMENTAL POST PERMIT COMPLIANCE STAFF FROM THE FT. MYERS OFFICE.
13. ALL SPECIAL CONDITIONS RELATING TO MITIGATION, MONITORING AND MAINTENANCE PROGRAMS/PLANS/WORKS/REPORTS; BASELINE AND TIME ZERO REPORTS; AND WORK SCHEDULES SPECIFIED IN PERMIT NUMBER 36-00764-S (APPLICATION NUMBER 971010-2) SHALL REMAIN IN EFFECT.

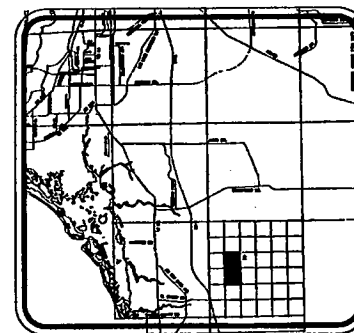


**LOCATION MAP**

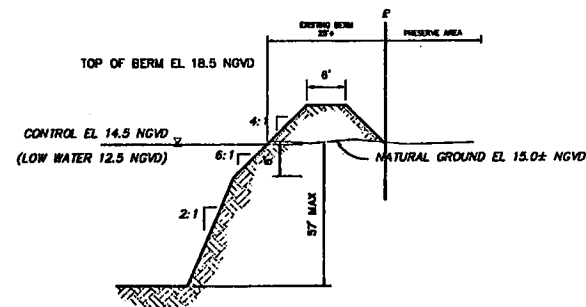
**EXHIBIT I**



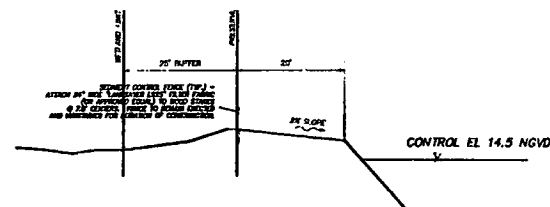
- LAKE EXPANSION
- LAKE REDUCTION
- PRESERVE AREA - EXISTING
- MITIGATION AREA - EXISTING



LOCATION MAP



SECTION B: PROPOSED LAKE AND DIKE SECTION



SECTION A: PRESERVE AREA BUFFER DETAIL

EXHIBIT 2

99012243  
ADVISED SUBMITTAL  
DEC - 2 1999  
FORT MYERS SERVICE CENTER

BUTLER engineering, inc. 223 W. GUSTY WAY • MIAMI, FLORIDA 33134 • TEL: 305.350.3000			
DESIGNED	DRAWN	CHECKED	DATE
SCALE	1" = 600'	23.07	23.07
SHEET			
FOR SAM HUBSCHMAN BONTA FARMS I AND II SECTIONS 17 AND 20, T4YS, R28E MASTER PLAN			
REVISIONS			
BY	DATE		

## EXISTING/PROPOSED LAND USE INFORMATION

## MOD PHASE BONITA FARMS I &amp; II

ONSITE

Pre-Development					Post-Development				
Env Category	Site Id	Acreage	Quality	Habitat	Presv	Undist	Imp	Enhan	Rest Cr
OTHER SURFACE WATERS	1	239.30	N/A	LAKES > 100 ACRES BUT < 500 ACRES	.00	239.30	.00	.00	.00
OTHER SURFACE WATERS	2	96.70	N/A	LAKES > 10 ACRES BUT < 100 ACRES	.00	96.70	.00	.00	.00
WETLAND	01	1.35	FAIR	WETLAND FORESTED MIXED	1.35	.00	.00	.00	.00
WETLAND	03	1.39	FAIR	WETLAND FORESTED MIXED	1.39	.00	.00	.00	.00
WETLAND	04	1.70	FAIR	WETLAND FORESTED MIXED	1.70	.00	.00	.00	.00
WETLAND	09	.60	FAIR	WETLAND FORESTED MIXED	.60	.00	.00	.00	.00
WETLAND	10	1.06	FAIR	WETLAND FORESTED MIXED	1.06	.00	.00	.00	.00
WETLAND	11	1.46	FAIR	WETLAND FORESTED MIXED	1.46	.00	.00	.00	.00
WETLAND	12	.47	FAIR	WETLAND FORESTED MIXED	.47	.00	.00	.00	.00
WETLAND	13	6.47	FAIR	WETLAND FORESTED MIXED	6.47	.00	.00	.00	.00
WETLAND	14	.25	FAIR	WETLAND FORESTED MIXED	.25	.00	.00	.00	.00
WETLAND	15	5.36	FAIR	WETLAND FORESTED MIXED	5.36	.00	.00	.00	.00
WETLAND	16	2.61	FAIR	WETLAND FORESTED MIXED	2.61	.00	.00	.00	.00
WETLAND	17	1.58	FAIR	WETLAND FORESTED MIXED	1.58	.00	.00	.00	.00
WETLAND	18	6.30	FAIR	WETLAND FORESTED MIXED	6.30	.00	.00	.00	.00
WETLAND	19	.67	FAIR	WETLAND FORESTED MIXED	.67	.00	.00	.00	.00
WETLAND	20	.92	FAIR	WETLAND FORESTED MIXED	.92	.00	.00	.00	.00
WETLAND	21	4.32	FAIR	WETLAND FORESTED MIXED	4.32	.00	.00	.00	.00
WETLAND	22	2.90	FAIR	WETLAND FORESTED MIXED	2.90	.00	.00	.00	.00



## EXISTING/PROPOSED LAND USE INFORMATION

## MOD PHASE BONITA FARMS I &amp; II

ONSITE

Pre-Development					Post-Development				
Env Category	Site Id	Acreage	Quality	Habitat	Presv	Undist	Imp	Enhan	Rest Cr
WETLAND	23	1.53	FAIR	WETLAND	1.53	.00	.00	.00	.00
				FORESTED MIXED					
WETLAND	29	2.15	FAIR	WETLAND	2.15	.00	.00	.00	.00
				FORESTED MIXED					
WETLAND	A	1.13	FAIR	FRESHWATER	1.13	.00	.00	.00	.00
				MARSHES					
WETLAND	C	.78	FAIR	FRESHWATER	.78	.00	.00	.00	.00
				MARSHES					
WETLAND	D	.89	FAIR	FRESHWATER	.89	.00	.00	.00	.00
				MARSHES					
WETLAND	E	8.87	FAIR	FRESHWATER	8.87	.00	.00	.00	.00
				MARSHES					
WETLAND	H	.50	FAIR	FRESHWATER	.50	.00	.00	.00	.00
				MARSHES					
WETLAND	I	10.65	FAIR	FRESHWATER	10.65	.00	.00	.00	.00
				MARSHES					
WETLAND	K	7.63	FAIR	FRESHWATER	7.63	.00	.00	.00	.00
				MARSHES					
WETLAND	L	1.69	FAIR	FRESHWATER	1.69	.00	.00	.00	.00
				MARSHES					
WETLAND	P	2.43	FAIR	FRESHWATER	2.43	.00	.00	.00	.00
				MARSHES					
<b>Totals</b>		413.66			77.66	336.00	.00	.00	.00

Env Category	Site Id	Acreage	Quality	Habitat	Presv	Undist	Imp	Enhan	Rest Cr
UPLAND	1		FAIR	PINE FLATWOODS	.00	.00	.00	.00	.00
UPLAND	1	571.34	N/A	MINING	.00	.00	.00	.00	.00
UPLAND	1		N/A	AGRICULTURE	.00	.00	.00	.00	.00
UPLAND	1		N/A	DISTURBED LANDS	.00	.00	.00	.00	.00
UPLAND	1		N/A	SPOIL AREAS	.00	.00	.00	.00	.00
<b>Totals</b>		571.34			.00	.00	.00	.00	.00

SCANNED

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